

# Power Cost Memorandum Fuel Cost Update

Date: August 5, 2021

Utility Name (Cert. No.) (321) <b>MANOKOTAK POWER COMPANY</b>	Utility File No. <b>PC77-1119D</b>	Date Filed: <b>June 23, 2021</b>
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PCE AMOUNT SUMMARY	Previously Approved PC77-1119C	Staff Recommended Level(s) and Effective Date PC77-1119D
Class Rate	<u>Date Approved:</u> July 1, 2021	August 6, 2021
All	\$0.0000	\$0.0000
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: \$ 3.3090	New Fuel Purchase Price: \$ <b>2.5473</b>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	0	X	3.3090	=	-
Delivered	93,842	X	2.5473	=	239,039.58
	<u>93,842</u>				<u>\$ 239,039.58</u>
					Weighted Average
					<u>\$ 2.5473</u>

Signed: Brenda Cox  
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 8/5/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
Kurber		<i>KML</i>		
Scott		<i>AGS</i> AGS		
Sullivan		<i>DS</i> DS		
Wilson	8/6/2021	<i>JWW</i> JWW		

Special Instructions to Staff:

\* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# MANOKOTAK POWER COMPANY

POWER COST EQUALIZATION CALCULATION  
FOR TEST PERIOD ENDING JUNE 30, 2019  
Fuel Cost Update

APPENDIX 1

	PC77-1119C	PC77-1119D	
	Prior Staff Calculated	Utility Request	Staff Recommended
A. Total kWh Generated	1,413,939	1,413,939	1,413,939
B. Total kWh Sold (Appendix 2)	1,272,045	1,272,045	1,272,045
C. Total Non-Fuel Costs (Appendix 2)	247,652	247,652	247,652
D. Non-Fuel Cost/kWh (C / B)	<b>\$0.1947</b>	<b>\$0.1947</b>	<b>\$0.1947</b>
E. Total Fuel Costs (Appendix 2)	301,404	232,023	232,023
F. Fuel Costs/kWh (E / B)	<b>\$0.2369</b>	<b>\$0.1824</b>	<b>\$0.1824</b>
G. Eligible Costs/kWh (D + F)	\$0.4316	\$0.3771	\$0.3771
H. Eligible Cost/kWh (G) less base rate in effect	\$0.2313	\$0.1768	\$0.1768
I. Lesser of (H) or 79.97 cents/kWh	\$0.2313	\$0.1768	\$0.1768
J. Average Class Rates (Appendix 3) ALL	\$0.3997	\$0.3997	\$0.3997
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J) ALL	\$0.2197	\$0.1679	\$0.1679
L. Funding Level in Effect	*0%	0%	0%
ALL	\$0.0000	\$0.0000	\$0.0000

\*Order U-21-019(3), dated July 22, 2021, determined the PCE amount to be 00.00 cents/kWh, for bills rendered on or after July 1, 2021.

PC77-1119D  
Appendix 1

# MANOKOTAK POWER COMPANY

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY  
FOR TEST PERIOD ENDING JUNE 30, 2019  
Fuel Cost Update

	PC77-1119C	PC77-1119D
	Prior Commission Approval	Utility Request Staff Recommended
<b>Non-Fuel Costs:</b>		
A. Personnel Costs	96,779	96,779
B. Power Plant Parts & Supplies	28,423	28,423
C. Repairs & Maintenance	21,991	21,991
D. General & Administrative	58,319	58,319
E. Depreciation	32,622	32,622
F. Interest Expense	9,517	9,517
G. Other	-	-
<b>H. Total Non-Fuel Costs</b>	<b>\$247,652</b>	<b>\$247,652</b>
<b>Fuel Costs:</b>		
I. Gallons Consumed for Electric Generation	91,087	91,087
J. Price of Fuel:(per gal) Weighted Average	3.3090	2.5473
<b>K. Total Cost of Fuel (I x J)</b>	<b>\$301,404</b>	<b>\$232,023</b>
<b>L. kWh Sales</b>	1,272,045	1,272,045
<b>M. kWh Station Service</b>	69,850	69,850
N. Efficiency $\geq$ <u>Standard</u> (kWh generated/gallons consumed)	15.52	15.52
O. Line Loss $\leq$ 12% (kWh Generated -(kWh Sold + Station Service))/kWh Generated	5.10%	5.10%

Calculation of weighted average fuel cost per gallon:

On Hand	0	x	3.3090	=	-	
Delivery	93841.7	x	2.5473	=	239,040	Weighted Average
	93841.7				239,040	\$2.5473

PC77-1119D  
Appendix 2

**CALCULATION OF AVERAGE CLASS RATE PER kWh**

Rate Schedule: **All**

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to	0.6000		0.6000	300.0000		
to						
to						
to						
<b>Max</b> 500			<b>Total</b>	<b>300.0000</b>	<b>0.6000</b>	<b>0.3997</b>

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b> 500			<b>Total</b>			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b> 500			<b>Total</b>			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b> 500			<b>Total</b>			



**MANOKOTAK POWER COMPANY**  
**Fuel Purchases**

	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory					
Last Approved Fuel Cost/Gal.			\$ 3.3090		
Beginning Fuel Inventory in Gallons	X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost ---->				\$ -
Reporting Period Purchases	06/01/20	1990.0	2.7561		5,485
	6/23/2020	1790.1	2.7466		4,917
	7/30/2020	2628.4	2.7466		7,219
	8/5/2020	2742.4	2.7466		7,532
	8/11/2020	1270.0	2.5853		3,283
	8/18/2020	2018.1	2.5853		5,217
	8/24/2020	1889.1	2.5853		4,884
	8/31/2020	1991.0	2.5853		5,147
	9/7/2020	1948.0	2.5853		5,036
	9/24/2020	1164.4	2.5853		3,010
	9/28/2020	1972.0	2.5853		5,098
	10/7/2020	2600.0	2.5853		6,722
	10/12/2020	1834.4	2.5853		4,742
	10/19/2020	1606.0	2.5853		4,152
	10/27/2020	2201.0	2.4066		5,297
	11/2/2020	1795.1	2.4066		4,320
	11/9/2020	2010.0	2.4066		4,837
	11/17/2020	2350.0	2.4066		5,656
	11/23/2020	1751.6	2.4066		4,215
	11/30/2020	2598.4	2.4066		6,253
	12/1/2020	1500.0	2.4066		3,610
	12/14/2020	2119.0	2.4066		5,100
	12/21/2020	2513.0	2.4066		6,048
	12/29/2020	1900.0	2.4066		4,573
	1/4/2021	1843.0	2.4066		4,435
	1/11/2021	2000.0	2.4066		4,813
	1/25/2021	3757.7	2.4066		9,043
	2/3/2021	1009.5	2.4066		2,429
	2/8/2021	2600.0	2.4066		6,257
	2/17/2021	2100.0	2.4066		5,054
	3/1/2021	2000.0	2.4066		4,813
	3/9/2021	1765.0	2.4066		4,248
	3/16/2021	2618.0	2.4066		6,300
	3/23/2021	1400.0	2.4066		3,369
	3/29/2021	1460.5	2.4066		3,515
	4/5/2021	1914.0	2.4066		4,606
	4/13/2021	3647.0	2.4066		8,777
	4/20/2021	1627.0	2.4066		3,916
	4/28/2021	2334.0	2.4066		5,617
	5/10/2021	2894.0	2.4066		6,965
	5/17/2021	2050.0	3.0428		6,238
	5/24/2021	2229.0	3.0428		6,782

Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
6/1/2021	1116.0	3.0428		3,396
6/7/2021	1950.0	3.0428		5,933
6/14/2021	1595.0	3.0428		4,853
6/21/2021	1750.0	3.0428		5,325
				-
				-
Totals for Reporting Period Purchases on this sheet:	93,842			239,040

Grand Totals (beginning inventory plus purchases) A 93,842 B \$ 239,040

Grand Total Cost divided by Grand Total Gallons = 2.5473 Weighted Avg. Cost per gallon  
Purchase Total Cost divided by Purchase Total Gallons = 2.5473 Cost Per Gallon

Manokotak reported fuel purchased between June 20, 2019 and December 9, 2019, however this was already included on PC77-1119B and Staff did not include in the calculation above. On July 2, 2021, Staff requested Manokotak provide an invoice(s) to cover the fuel delivered between January 6, 2020 and February 10, 2020. Manokotak did not provide an invoice and Staff did not include the fuel purchased during that timeframe in the calculation above.

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